DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9	385 R2	1204

REGISTERED ELECTRICAL ENGINEER 12/19/02 DATE

12-6-04
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER JENS ERLINGSSON No. 8249 Exp. 9/30/06 ELECTRICAL STATE OF CALIFORNIA

PB POWER, Inc.
A Parsons Brinckerhoff Company
303 Second St., Suite 700N
San Francisco, CA 94107-1317

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REQUEST FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
2	12/02/09	TOWER UTILITY PANELS	JS TW	RG FW	70
1	02/19/08	ELECTRICAL MODIFICATIONS	MP EL	RR	42

REVISIONS

CONTRACT CHANGE ORDER NO._____
SHEET_____ OF_____

REGISTERED PROFESSIONAL ENGINEER MANNELL FUMIO TAKATA No. E 8651 Exp. 9/30/2008 ELECTRICAL STATE OF CALIFORNIA

FOR REVISION ONLY 1

REGISTERED PROFESSIONAL ENGINEER FADI WALIEDDINE No. 11465 Exp. 12/31/2009 ELECTRICAL STATE OF CALIFORNIA

FOR REVISION ONLY 2

CONDUIT DATA

Conduit No.	Reference	Size	Type	Total Fill (mm²)	Allowable Fill (mm²)	Included Cable No.	Conductor Type
3459A	E-265	41					
3464A	E-286	53	RGS-PVC coated conduit	286	879.42	UP210-1A-13&14	1-4C#8 + gnd, 600V, EPR insulation
3464B	E-286	53	RGS-PVC coated conduit	286	879.42	UP210-1A-13&14	1-4C#8 + gnd, 600V, EPR insulation
3501	E-279	53	RGS-PVC coated conduit	286	879.42	Pull Rope	Soft-Fiber Polyester
	E-284A					UP210-1A-1 & 6	1-4C #8 + gnd, 600V, EPR insulation
3502	E-264B, E-264D	78	RGS conduit	513.46	1935.24	Pull Rope	Soft-Fiber Polyester
						UP210-13 &17	1-4C #8 + gnd, 600V, EPR insulation
						UP210-1A-3	1-2C #8 + gnd, 600V, EPR insulation
3518	E-285C, E-285	53	RGS conduit	777.22	879.42	Pull Rope	Soft-Fiber Polyester
						UP210-1A-5	1-2C#12 + gnd, 600V, EPR insulation
						UP210-1A-3 & 4	1-4C #8 + gnd, 600V, EPR insulation
						UP210-1A-1 & 6	1-4C #8 + gnd, 600V, EPR insulation
						UP210-1B-5	1-2C#12 + gnd, 600V, EPR insulation
3519	E-285C, E-285	53	RGS conduit	858	879.42	Pull Rope	Soft-Fiber Polyester
						UP210-1A-9&10	1-4C#8 + gnd, 600V, EPR insulation
						UP210-1A-11&12	1-4C#8 + gnd, 600V, EPR insulation
						UP210-1A-13&14	1-4C#8 + gnd, 600V, EPR insulation
3520	E-285 E-279	53	RGS conduit	527.18	879.42	Pull Rope	Soft-Fiber Polyester
	E-285A					2123-2	1-3C + gnd, #2, 600V, EPR insulation
3524	E-285A E-279	27	RGS Conduit	133.19	229.03	Pull Rope	Soft-Fiber Polyester
						2123-2A	3 + 1 gnd, #6, 600V, RHH/RHW insulation
3525	E-285A E-279	41	RGS Conduit	271.48	534.55	Pull Rope	Soft-Fiber Polyester
						2123-2B	4 + 1 gnd, #4, 600V, RHH/RHW insulation
3521	E-285 E-279	53	RGS conduit	472.21	879.42	Pull Rope	Soft-Fiber Polyester
	E-285A, E-285C					UP210-1A-5	1-2C#12 + gnd, 600V, EPR insulation
						UP210-1A-3 & 4	4 + 1 gnd, #8, 600V, RHH/RHW insulation
						UP210-1A-1 & 6	4 + 1 gnd, #8, 600V, RHH/RHW insulation
3522	E-285 E-279	53	RGS conduit	858	879.42	Pull Rope	Soft-Fiber Polyester
	E-285A, E-285C					UP210-1A-9&10	1-4C#8 + gnd, 600V, EPR insulation
						UP210-1A-11&12	1-4C#8 + gnd, 600V, EPR insulation
						UP210-1A-13&14	1-4C#8 + gnd, 600V, EPR insulation
3523	E-285 E-279	41	RGS conduit	0.00	534.55	Pull Rope	Soft-Fiber Polyester
	E-285A						
3600	E-264B, E-278	78	RGS-PVC coated conduit	1254.38	1935.24	Pull Rope	Soft-Fiber Polyester
	E-284, E-264C					UP210-9	1-2C#8 + gnd, 600V, EPR insulation
						UP 210-15 & 19	1-4C#8 + gnd, 600V, EPR insulation
						UP210-5 & 7	1-4C#8 + gnd, 600V, EPR insulation
						UP210-22	1-2C#8 + gnd, 600V, EPR insulation
						UP210-24	1-2C#8 + gnd, 600V, EPR insulation
3601	E-279	41	RGS-PVC coated conduit	286	534.55	Pull Rope	Soft-Fiber Polyester
	E-284A					UP210-1A-11&12	1-4C #8 + gnd, 600V, EPR insulation

CONDUIT DATA

Conduit No.	Reference	Size	Type	Total Fill (mm²)	Allowable Fill (mm²)	Included Cable No.	Conductor Type
3602	E-264B	78	RGS conduit	513.46	1935.24	Pull Rope	Soft-Fiber Polyester
						UP 210-15 & 19	1-4C#8 + gnd, 600V, EPR insulation
						UP210-1A-9	1-2C#8 + gnd, 600V, EPR insulation
3701	E-280	53	RGS-PVC coated conduit	572	879.42	Pull Rope	Soft-Fiber Polyester
	E-284A					UP 210-1B-1&6	1 - 4C#8 + gnd, 600V, EPR insulation
						UP210-1B-15&16	1 - 4C#8 + gnd, 600V, EPR insulation

For continuation, see next sheet.

CONDUIT AND TRAY SCHEDULE

E-430

REVISED BY	DATE REVISED

CALCULATED/DESIGNED BY	PBP	DATE 8/02
CHECKED BY	AB	8/02

DESIGN OVERSIGHT
BEHZAD GOLEMOHAMMADI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 00-00-00

DATE PLOTTED => 12/10/2009
TIME PLOTTED => 4:07:59 PM

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

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